

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
PERMEABLE RUNOFF STRUCTURE

COL:KFR

1 of 2

C&T:APPR:JAR:TWK:06-04-03
REVISED:10-27-05

a. Description. This work shall consist of furnishing and installing Permeable Runoff Structure (PRS) as an alternate to Erosion Control, Check Dam, Stone at the locations shown in the plans and approved by the Engineer. This work shall conform to Section 208 of the Standard Specifications for Construction, manufacturer's installation instructions and this special provision.

b. Materials. Permeable Runoff Structure shall use the materials specified by Nilex Corporation for the Geo-Ridge system, or the materials specified by Cascade Geotechnical, Inc. for the Enviroberm system, or an approved equal. The anchors for the Geo-Ridge system shall consist of 10 inch galvanized spiral spikes with washers. The anchors for the Enviroberm system shall consist of heavy duty "M" pins.

A supplier in this area for the Geo-Ridge system is:

CSI/Geoturf, Inc.
657 W. Blue Star Dr.
Traverse City, MI 48684
(888) 208-5772

A supplier in this area for the Enviroberm system is:

Price and Company, Inc.
425 36th Street, SW
Wyoming, MI 49548-2108
(800) 248-8230

The Contractor shall supply the Engineer a letter of certification from the manufacturer or manufacturer's representative that the materials supplied meet the PRS system requirements.

High velocity mulch blanket is required for installation of either PRS system, when installed without a ditch liner, and shall be selected from the Qualified Products List.

c. Construction. The Contractor shall provide two copies of the manufacturer's installation instructions to the Engineer no later than two weeks prior to installation. Installation shall not commence until the Engineer has approved the proposed installation procedures. Slope restoration shall be completed prior to installing the PRS system. The PRS system shall be installed perpendicular to the ditch centerline and shall extend up the side slopes of the ditch to a minimum vertical height of 20 inches above the ditch bottom.

If the PRS system is required to be installed prior to the completion of the slope restoration, a full width of high velocity mulch blanket shall be placed below the PRS and anchored in accordance with the manufacturer's recommendations.

d. Measurement and Payment. PRS system will be measured in place by length along the base. The completed work as measured for the PRS system will be paid for at the contract unit price for the following contract item (pay item):

Contract Item (Pay Item)

Pay Unit

Permeable Runoff Structure.....Foot

The contract unit price for **Permeable Runoff Structure** shall include furnishing, erecting and maintaining the structure as called for on the plans and approved by the Engineer. The unit price shall also include the removal and disposal of the PRS system when specified by the Engineer. The PRS system shall be left in place if directed by the Engineer. High velocity mulch blanket required for installation of either PRS system, when installed without a ditch liner, shall be included in the unit price of the PRS system. No allowance will be made for overlaps, repairs or replacements due to damage caused by the Contractor's operation or negligence. Removal and disposal of accumulated sediment or debris will be measured and paid for as Erosion Control, Maintenance, Sediment Removal.